

AMENDMENT TO THE CLAIMS

1. (currently amended) A radar level gauge for measuring the level of a product stored in a container, said level gauge including

a radar module for generating microwave signals on at least two different frequency bands,

an antenna unit ~~for~~ transmitting said microwave signals towards said surface and  
for receiving microwave signals reflected by said surface, and

a measuring and controlling unit for determining the level based on an evaluation  
of the time lapsed between the received and the transmitted signals,

said radar module including:

- a microwave generating source for providing a first microwave signal of a first  
frequency band having a first center frequency,

- at least one frequency multiplier coupled between said microwave generating  
source and said antenna unit for providing a second microwave signal of a  
second frequency band having a second center frequency, ~~wherein the ratio~~  
~~between the second and the first center frequency is at least 1.5,~~ and

- switches operated by means of a control signal for switching the circuit to  
operate on said first frequency band or said second frequency band.

2. (previously presented) A circuit according to claim 1, wherein the circuit further includes:

- a number of first switches for the choice of an operating frequency ( $f_0$ ,  $m f_0$ ) to be  
delivered to the antenna unit,

- a number of mixers for mixing the microwave signal received from the antenna  
unit with the chosen operating frequency for the forming of an IF-frequency,

- a number of second switches for directing the microwave operating frequency to a  
mixer corresponding to the operating frequency and